

## JSC SHIPPING DOCUMENT

1. Originator (Name, Org. Code, Phone) 2. Date Prepared  
JD Roberts, EA, 281-461-5109 06/21/07

## Location of Item(s):

3. Building Room 4. Contact and Phone  
421 Bond Alfredo Cavallo, 281-483-0287

## 5. Status of Items

☐ Transfer to Other NASA Center ☐ GFP To Contractor  
☒ Test and Return ☐ Loan (Number) \_\_\_\_\_  
☐ Replacement or Credit ☐ Vendor Owned  
☐ Relocation ☐ Repair and Return  
☐ For Flight/Return ☐ Other NASA Ctr. Property

JF 1027 No.: N/A

## 6. Shipping Information (Check One)

☐ Prepaid ☐ Vendor Pickup  
☐ Collect ☒ Hand Carry  
☐ Government Funds (Cite #s) ☐ Third Party Billing

## 7. Shipment in Direct Support of:

☐ Shuttle STS: \_\_\_\_\_ ☒ Other, Please Explain  
☐ Space Station Mission: \_\_\_\_\_ Support Assembly

## 8. QUALITY CONTROL INFORMATION (Check Each)

☒ Flight/Mission Essential ☐ Non-Flight  
☐ GSE ☐ Other

## 9. Materials Classified (Define Block 25)

YES NO  
X

## 10. Data Package Enclosed

YES NO  
X

## 11. APPROVAL - Typed Name and Signature

DATE

## Division Chief

DATE

## Property Custodian

DATE

## Donating Officer

DATE

2007 JUN 29 AM 9:10

Quality Assurance Representative

Direct Program Manager

Other

## 12. From:

NASA/Lyndon B. Johnson Space Center  
Transportation Officer, Bldg. 421  
2101 NASA Road 1  
Houston, Texas 77058

(For Return Shipments to JSC, include Voucher number from block 16)

## 13. Ship To

IABG

Einsteinstrasse 20

85521 Ottobrunn

Germany

SIGNATURE AND PRINTED NAME OF HANDCARRY REP DATE AND TIME

Mark For/Phone Number: Contact: Stefan Dillinger, Tel. +49 89 6088-3487

## 25. Remarks

Items listed are to support the assembly of scientific instrument for testing, provided under collaborative agreement between NASA and the destination institute. Items listed are Class I. Items to be "Hand Carried" by Hsing Ju, EA/ESCG, Phone: 281-461-5683

Phone: 281-461-5683

## 26. Item No.

## 27. Equipment Control No.

## 28. Model/Stock/Part Number

## 29. Item Description, Serial No., Manufacturer No., Lot No., License Plate No., Class of Hardware

## 30. Unit of Issue

## 31. QTY.

## 32. Unit Price

## 33. Total Value

1. NAS1351N3-8  
Socket Head Cap Screw, Lot #37230, Class I

ea

8

5.00

40.00

2. NAS1587-3C  
Washer, Lot #R1132, Class I

ea

8

0.16

1.36

3. NAS1149E0332R  
Washer, Lot #S0724, Class I

ea

8

1.00

8.00

## 34. Recapitulation of Shipment (spaced below to be completed by logistics division only)

Remove ECN Tag? ☐ Yes ☐ No

## Issued By

TD6129167

## Total Containers

1

## Type Container

CT

## Description

12 x 12 x 4

## Total Weight

1

## Total Cube

0.3

## 35. Receipt Info

36. Sheet Total

49.36

## Checked By

TD6129167

## Description

12 x 12 x 4

## Total Weight

1

## Total Cube

0.3

## 37. Grand Total

49.36

## Packed By

TD6129167

## Description

12 x 12 x 4

## Total Weight

1

## Total Cube

0.3

## 38. Receipt Voucher No.

49.36

49.36

**Requirements for Packaging, Handling, and Transportation for Aeronautical and Space Systems, Equipment, and Associated Components**

1. Are there any special documented requirements addressing special handling, packaging, and shipping that needs to be attached to the packing list for this item(s)? A copy of the information is to be attached and specified in block 25 of the 290 prior to submitting.
 

☐ Yes ☒ No
2. Does the item(s) identified on the 290 require clean room isolation? If yes, identify what cleanliness level (GC, VC, UV-VC, and types of Precision cleaned 100A, 200A, etc.) and specify the requirement document (e.g., SN-C-0005, D683-10450-1, other). If not a NASA document, a copy must be attached to the 290.
 

☐ Yes ☒ No
3. Is the item(s) identified on the 290 "Electrostatic Discharge" (ESD) sensitive?  
IS THE HARDWARE PACKAGED CORRECTLY FOR ESD SENSITIVITY?
 

☐ Yes ☒ No  
☐ Yes ☒ No  
☐ Yes ☒ No
4. Does the item(s) identified on the 290 contain any hazardous chemicals or materials? If yes, identify the type of chemicals or materials and provide the Material Safety Data Sheet for each item.
 

☐ Yes ☒ No  
☐ Yes ☒ No  
☐ Yes ☒ No
- a. Does the item(s) listed contain any explosive or pyrotechnic material? If yes, provide the classification and net weight of each item.
 

☐ Yes ☒ No
- b. Does the item(s) contain batteries. If yes, identify the type of battery?
 

☐ Yes ☒ No
- c. If the item(s) contains Lithium-Ion, Lithium Metal or Lithium Alloy, provide the total Lithium content or Lithium-equivalent per battery (grams).
 

☐ Yes ☒ No
- d. Does the item contain any radioactive materials? (This includes any hazardous radioactive material embedded in the item). If yes, provide a completed JSC Form 1625, "Radioactive Material Transfer Receipt." Ensure the item(s) are identified with the radiation symbols and clearly mark with the label(s) as shown in question 10.
 

☐ Yes ☒ No
- e. Does the item(s) contain any compressed pressure systems (e.g. cylinders)? If yes, identify the types of fluid or gas contained in the system and if gas, what is the pressure.
 

☐ Yes ☒ No
- f. Does the item contain any biological specimens? If yes, please identify, describe, and add the MSDS telling what to do in case of a spill, puncture, or rupture?
 

☐ Yes ☒ No
5. Does the item(s) require any special temperature or humidity control in its handling, packaging, or shipping?  
If yes, please identify and provide the following information in Fahrenheit:
 

☐ Yes ☒ No

Minimum temperature: \_\_\_\_\_ Minimum humidity: \_\_\_\_\_  
Maximum temperature: \_\_\_\_\_ Maximum humidity: \_\_\_\_\_

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6. Are the item(s) perishable? If yes, identify, describe:
 


☐ Yes ☒ No
  
7. Does this item(s) require protection from exposure to the elements? If yes, identify. Be sure to change the "revision date" of this form.
 

☐ Yes ☒ No
  
8. Does this item(s) require special monitoring equipment (e.g. shock, humidity, vibration, or temperature sensors)? If yes, identify the type and duration of monitoring required?
 

☐ Yes ☒ No
  
9. Does this item(s) require any unique labeling and if yes, please check/verify appropriate label(s) to be used:
 

☐ Yes ☒ No

☐ NASA CRITICAL SPACE ITEM: HANDLE WITH CARE  
☐ DELICATE INSTRUMENT: HANDLE WITH CARE  
☐ THIS END UP  
☐ FRAGILE LIQUID IN GLASS: HANDLE WITH CARE  
☐ FRAGILE LIQUID IN PLASTIC: DO NOT CUT  
☐ PERISHABLE RUSH  
☐ FRAGILE  
☐ SMALL PARTS ENCLOSED  
☐ ELECTROSTATIC DISCHARGE CONTROL REQUIREMENTS  
☐ CLEANLINESS  
☐ DO NOT X-RAY  
☐ LIMITED SHELF LIFE ITEMS - PROCESS IMMEDIATELY  
☐ CONTROLLED ENVIRONMENT  
☐ BIOLOGICAL SPECIMENS  
☐ TEMPERATURE/HUMIDITY  
☐ RADIOACTIVE MATERIAL  
☐ CONTAINS HIGH PRESSURE  
☐ DO NOT FREEZE  
☐ OTHER

Printed Name	Mail Code	Signed Name	Date Signed	Phone Number	Cell Phone Number
J. D. Roberts	JE-3EA		06/21/07	281-461-5109	

Date of Request 06/21/07Johnson Space Center  
Export Control Request and Approval Worksheet

Reference Number

EA2-07-178-004

Directions: At least 90 days prior to exporting hardware, software or data to a foreign national, submit this form to your Export Control Representative

**SECTION 1 (complete for all exports)**Date of Export: 7/5/07Requested by: Hsing JuOrg/Company: EA / Jacobs SverdrupPhone Number: (281) 461-5683Email: Hsingju@escg.jacobs.comFax: (281) 461-5926

General description of export (spell out acronyms)

FastenersIs this a temporary export? ☐ Yes ☒ No If yes, when will it be returned? 12/21/07What requirement or agreement do we have with the foreign national to provide this export? JSC28792, Rev. DFor what purpose is it being exported (what is the end-user)? Assemble with AMS-02 hardware for testing. Contact: Stefan Dillinger, Phone +49 89 6088-3487To whom is it being exported? (or attach ProForma invoice) IABG, Einsteinstrasse 20, 85521 Ottobrunn, GermanyWhat program does this export support? Alpha Magnetic Spectrometer (AMS) - 02Date denied parties/entities list checked: 6/27/07

Type of export (mark all that apply):

☒ Hardware ☐ Software ☐ Data ☐ Information via discussions

(If you checked hardware or software, please attach a completed Proforma Invoice -- )

Method of export (mark all that apply):

☐ Discussion ☐ JSC Transportation Office ☒ Hand carry ☐ JSC Mail Room ☐ Electronic ☐ Other**SECTION 2**Export Classification EAR99/NLR

Classification rationale

Fasteners are sent to support AMS assembly. Classification per memo from NASA HQ/UM to JSC/OZ2, dated 3/28/02. Status of AMS compliance with U.S. Export Regulations.**SECTION 3****Approvals**

Stephen Lamkin

Export classification for this shipment were determined by

Date: 6/27/07

(281)483-8264

Phone

Signature of Export Control Official (ECR or CEA)

Date: 6/27/07

(281) 483-8264

Phone

ES T Approval (req'd for use of export license and license exemption/exception only) Date

Phone



TCN# 2494-207

PACKING INFORMATION

CONTAINER:

- ☒ PPP-B-636 CARTON
- ☐ PPP-B-640 TRIWALL
- ☐ PPP-B-601 WOOD BOX W/SKIDS & CLEATS
- ☐ PPP-B-621 WOOD BOX
- ☐ MIL-C-4150 SUITCASE/CONTAINER
- ☐ PPP-T-495 MAILING TUBE

PACKING MATERIAL:

- ☐ PPP-B-26 ZIPLOC BAGS
- ☒ PPP-B-28 PLASTIC BAGS
- ☐ MIL-C-81013 BUBBLE PACK
- ☐ PPP-C-843 KIMPACK
- ☒ PPP-C-850 FOAM
- ☐ MIL-D-3464 DESICCANTS
- ☐ MIL-I-8835 HUMIDITY INDICATOR
- ☐ MIL-V-15196 VERMICULITE
- ☐ L-P-375 SHRINK WRAP
- ☒ PPP-T-45 MACHINE TAPE
- ☐ PPP-T-97 NYLON TAPE
- ☐ QQ-S-781 STEEL BAND
- ☐ PPP-S-760 NYLON BAND
- ☐ ETHAFOAM
- ☐ OTHER

LABELS:

- ☒ NASA CRITICAL SPACE ITEM: HANDLE WITH CARE
- ☐ DELICATE INSTRUMENT: HANDLE WITH CARE
- ☐ THIS END UP
- ☐ FRAGILE LIQUID IN GLASS: HANDLE WITH CARE
- ☐ FRAGILE LIQUID IN PLASTIC: DO NOT CUT
- ☐ PERISHABLE RUSH
- ☐ FRAGILE
- ☒ SMALL PARTS ENCLOSED
- ☐ ELECTROSTATIC DISCHARGE CONTROL REQ.
- ☐ CLEANLINESS
- ☐ DO NOT X-RAY
- ☐ LIMITED SHELF LIFE ITEMS - PROCESS IMMED.
- ☐ CONTROLLED ENVIRONMENT
- ☐ TEMPERATURE/HUMIDITY
- ☐ DO NOT FREEZE
- ☐ OTHER

EXTRAS:

- ☐ RIGGERS NEEDED
- ☐ FLATBED
- ☐ SINGLE DROP
- ☐ DOUBLE DROP
- ☐ ENCLOSED
- ☐ STRAPS
- ☐ CHAINS
- ☐ PADS
- ☐ TARPS
- ☐ AIR RIDE
- ☐ FED EX RETURN BILL ENCLOSED

☐ LITHIUM BATTERIES

"NOT RESTRICTED AS PER SPECIAL  
PROVISION A 45" CAO ONLY